

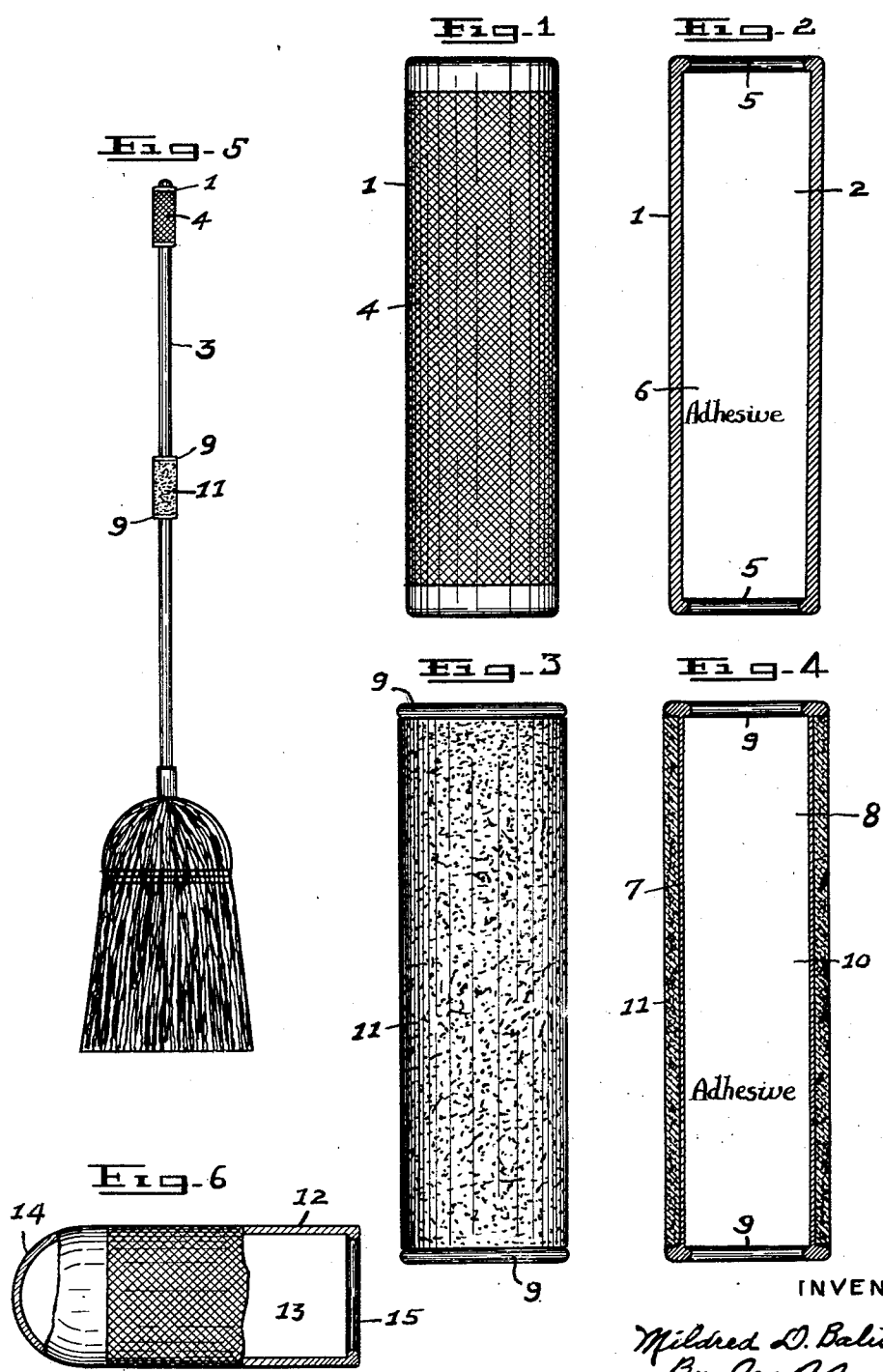
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HAND GRIP

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HAND GRIP

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1 Claim. (Cl. 15-246)

My invention relates to a handle grip, and while primarily intended for use in connection with brooms, mops and like handled devices ordinarily employed in the home, it is obvious that the invention may be successfully embodied in other implements and used for any other purposes wherein it is found to be applicable.

Important objects of the invention are to provide a handle grip of the character described, which will protect the hands of the user and facilitate the manipulation of the implement equipped therewith, and which may be readily mounted and secured in position.

Further objects of the invention are to provide a device of the class stated, which is simple in its construction and arrangement, durable and efficient in its use, compact, attractive in appearance, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts herein specifically described and illustrated in the accompanying drawing, but it is to be understood that changes in the form, proportions and details of construction may be resorted to that come within the scope of the claim hereunto appended.

In the drawing wherein like numerals of reference designate corresponding parts throughout the several views:

Figures 1 and 2 are, respectively, side elevational and longitudinal cross sectional views of a handle grip constructed in accordance with the invention.

Figures 3 and 4 are similar views of a modified form of the device.

Figure 5 is a side view of a broom provided with a pair of my improved handle grips.

Figure 6 is a side view, partly in cross section, of an end or cap type of handle grip embodying the present invention.

Referring in detail to the drawing, 1 denotes a cylindrical tubular body portion, preferably constructed from soft rubber. The bore 2 of the body portion 1 is open at both ends to allow the insertion of a handle 3 therethrough when mounting the device in position on the latter. The outer peripheral surface of the body portion 1 is preferably knurled, as at 4, or otherwise roughed for assisting the grasp and for decorative purposes.

Each end of the body portion 1 is formed with an annular rib 5, which projects inwardly into the bore 2. The entire peripheral wall of the bore 2 excepting the ribs 5, is covered with an adhesive

agent 6 for adherently securing the body portion in position.

To mount my improved grip in position on a handle it is only necessary to shift the former longitudinally on the latter to the position most convenient for the proper manipulation of the implement with which it is employed. By firmly pressing the body portion 1 against the handle 3, the adherent 6 on the wall of the bore 2 will adhesively secure the grip in position, and prevent the rotation of the latter or the longitudinal movement thereof in either direction.

The purpose of the ribs 5 at the ends of the body portion 1 is to facilitate the positioning of the latter by spacing the adherent wall surface of the bore 2 from the handle 3, while the body portion 1 is being adjusted longitudinally on the said handle to the position desired, whereby the adherent wall surface of the bore 2 will not contact with the handle 3 until the grip is pressed against the latter for securing same in position, in the manner stated.

As the body portion is constructed from soft rubber and therefor elastic, it is apparent that for many uses my improved grip may be held in position by the inherent resilient properties of the structure itself. However, it is preferable to secure the grip in a permanent position, in the manner and for the purpose set forth.

The embodiment of the invention, shown in Figures 1 and 2, is particularly adapted for use in connection with the handles of various tools, other than long handled implements ordinarily employed in a home, namely, brooms, mops and analogous implements.

The modified form of the device, shown in Figures 3 and 4, is especially adapted for brooms and the like, and consists of a tubular cylindrical body portion 7 having a bore 8 open at both ends. The body portion 7 is constructed from soft rubber and provided with an annular rib 9 at each end thereof. The inner and outer sides of the ribs 9 project beyond the respective inner and outer surfaces of the body portion 7.

The surface wall of the bore 8 is covered by an adhesive agent 10 for securing the body portion 7 in position on the handle, and the projecting inner sides of the annular ribs 9 serve to space the adherent bore wall from the handle while the body portion is being adjusted to position on the latter, in the manner and for the purpose set forth relatively to the embodiment of the invention illustrated in Figures 1 and 2.

A cylindrical gripping sleeve 11, constructed

from sponge rubber, cork, or like cushioning material, is mounted on the body portion 7. The gripping sleeve 11 is preferably permanently secured on the body portion 7 by an adhesive agent or in any other suitable manner. The outer sides of the ribs 9 overlap and protect the respective ends of the grip structure. As the gripping sleeve 11 is constructed from relatively soft cushioning material, the same will primarily serve to protect the hands from injury, but it will also facilitate the manipulation of the implement equipped therewith.

The cap or end type of grip, designed for engaging the free end of a handle and illustrated in Figure 6, differs from the embodiment of the invention, shown in Figures 1 and 2, only in that the body portion 12 is provided with a bore 13 having a closed end 14. The open end of the body portion 12 is formed with the inwardly disposed rib 15, and the wall of the bore 13 is covered with an adhesive agent, for the purposes set forth with respect to the other embodiments of the device.

The present invention provides a most efficient device of its kind, which may be manufactured at a very low cost, and conveniently employed for protecting the hands of the user, and for facilitating the manipulation of implements equipped therewith.

What I claim is:

In combination, a handle grip comprising a tubular rubber body portion having open ends, an annular rib formed at each end of said body portion and projecting beyond the inner and outer sides of the wall of said body portion, an adhesive agent covering the entire inner area of said body portion excepting the surfaces of said annular ribs, and a cylindrical cushioning element constructed from softer material than said body portion surrounding and adhesively secured to said body portion, the outwardly projecting portions of said annular ribs overlapping the respective ends of said cushioning element, substantially as described and for the purpose set forth.

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